

CLAIMS

What is claimed is:

1 1. A medical appliance for placement within a portion of the
2 anatomy of a patient, the appliance comprising:

3 a scaffolding, the scaffolding configured to define a
4 substantially cylindrical member having a distal end and a
5 proximal end and extending longitudinally there between,
6 forming a lumen there through, such that when pressure is
7 exerted along varying points of the longitudinal extension of the
8 appliance, the appliance does not undesirably foreshorten or
9 elongate.

1 2. The medical appliance of claim 1, wherein the medical
2 appliance scaffolding comprises a transition metal.

1 3. The medical appliance of claim 2, wherein the transition
2 metal is radioactive.

1 4. The medical appliance of claim 3, wherein the radioactive
2 signal is provided in a pharmaceutically acceptable amount to treat
3 the target tissue with minimal collateral tissue exposure.

1 5. The medical appliance of claim 1, wherein the medical
2 appliance is radially contractable in response to exposure to a
3 magnetic field.

1 6. A method of treating a patient with an obstruction inside a
2 medical implant, comprising the steps of:

3 providing a medical appliance comprising a scaffolding,
4 the scaffolding configured to define a substantially cylindrical

5 member having a distal end and a proximal end and extending
6 longitudinally there between, forming a lumen there through,
7 along the longitudinal extension of the appliance the scaffolding
8 forms geometrical patterns formed by angles, wherein the
9 angles determine the relative flexibility of the medical appliance
10 such that the appliance conforms to the topography of a target
11 lumen and when pressure is exerted along varying points of the
12 longitudinal extension of the appliance, the appliance does not
13 undesirably foreshorten or elongate;
14 activating medical appliance contraction to force the
15 obstruction to migrate; and
16 activating expansion of the medical appliance to the pre
17 contracted state.